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NON-IMPACT PRINTER

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ABSTRACT

PURPOSE: To raise the response property without generating noise, by a method wherein solid ink is, in a moment, fused with the heating element of a nozzle which is heated with signal current and is, in a dot manner, sprayed on a recording paper with the air flow from an air flow generator.

CONSTITUTION: When the pulse current based on printing information is impressed to a lead wire 25, the solid ink 17 at the part in contact therewith is, in a moment, fused by the heat generation of a heating element 23 and is made to be an ink liquid drop through a perforated hole 31. At that time, it is blown off by the pressured air flow 23 from an air pump 11, discharged from a nozzle 15 and adhered to a recording paper 27 in a dot state. At that time, because the ink has been cooled by an air flow 33 and becomes almost solid powder, the clogging of the nozzle 15 is not generated. Thus, the response is made quick and an ordinary paper can be printed thereby without generating noise.